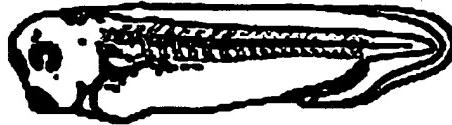


FIG. 1

Stage 33/34 *Xenopus laevis* Embryos



**Eye rudiments
dissected**

**3 Days *in vitro*
with an intact RPE
23°C, cyclic lighting**

**3 Days *in vitro*
without an intact RPE
23°C, cyclic lighting**

**Niu-Twitty
medium**

**Niu-Twitty
medium**

**Niu-Twitty medium
with 0.0001%
Brimonidine**

Process for analysis of morphology

**Process for Immunocytochemistry
GFAP; glutamine synthetase; bFGF;
N-cadherin**

**Quantify opsin
as an index of the amount of outer
segment membrane present**

FIG. 2

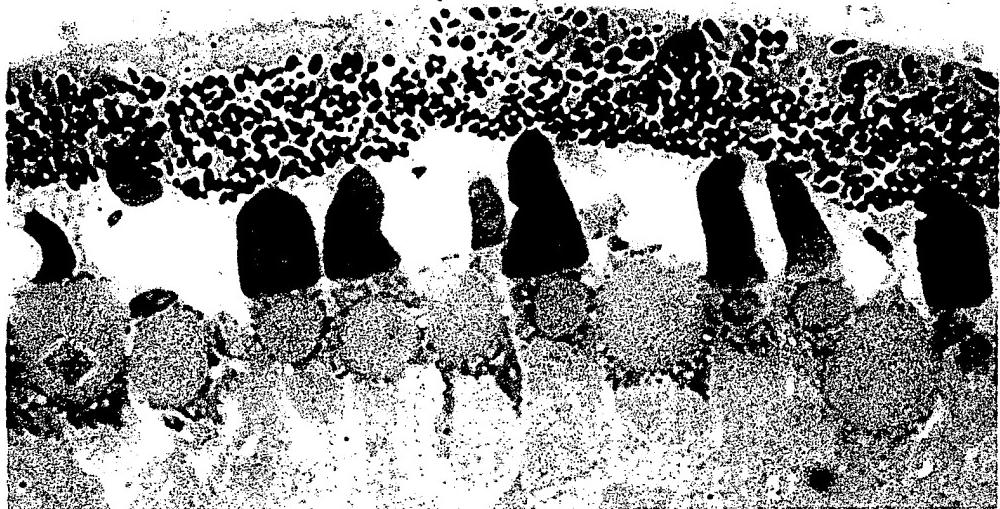


FIG. 3A



FIG. 3B

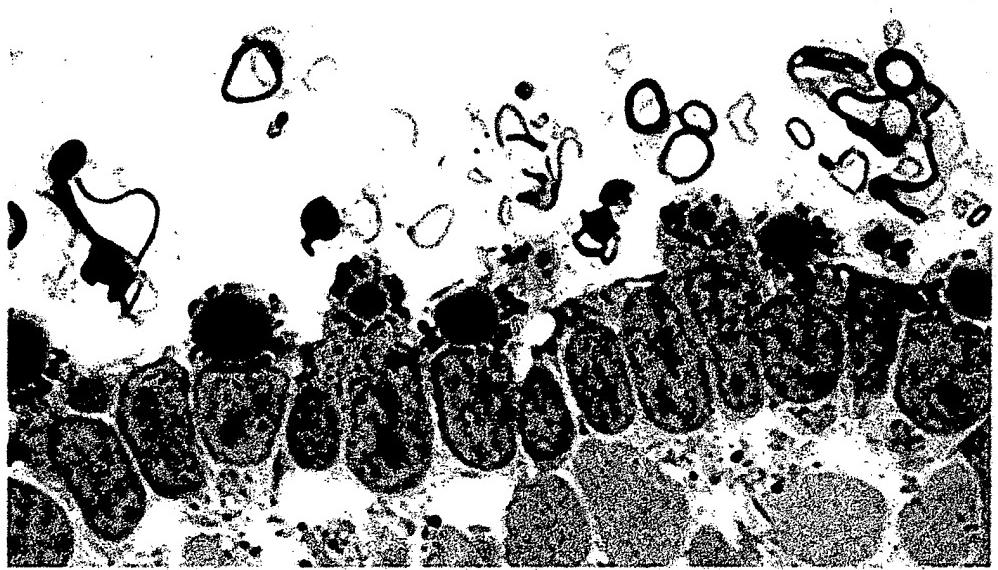


FIG. 4A

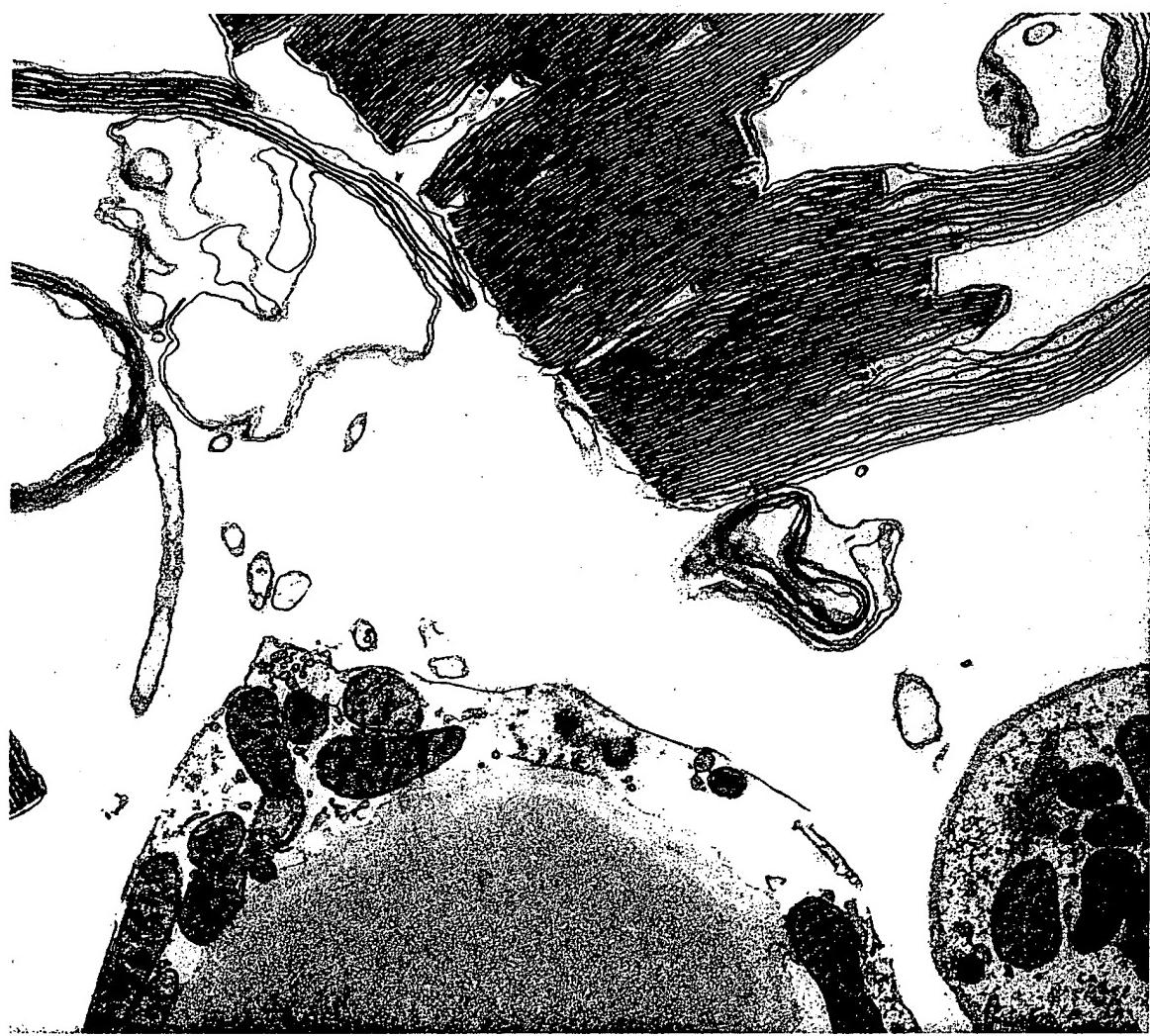


FIG. 4B



FIG. 5A

FIG. 5C

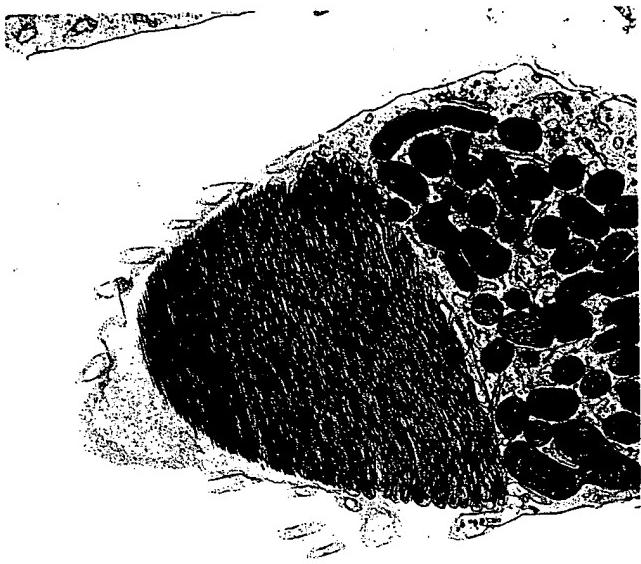


FIG. 5B



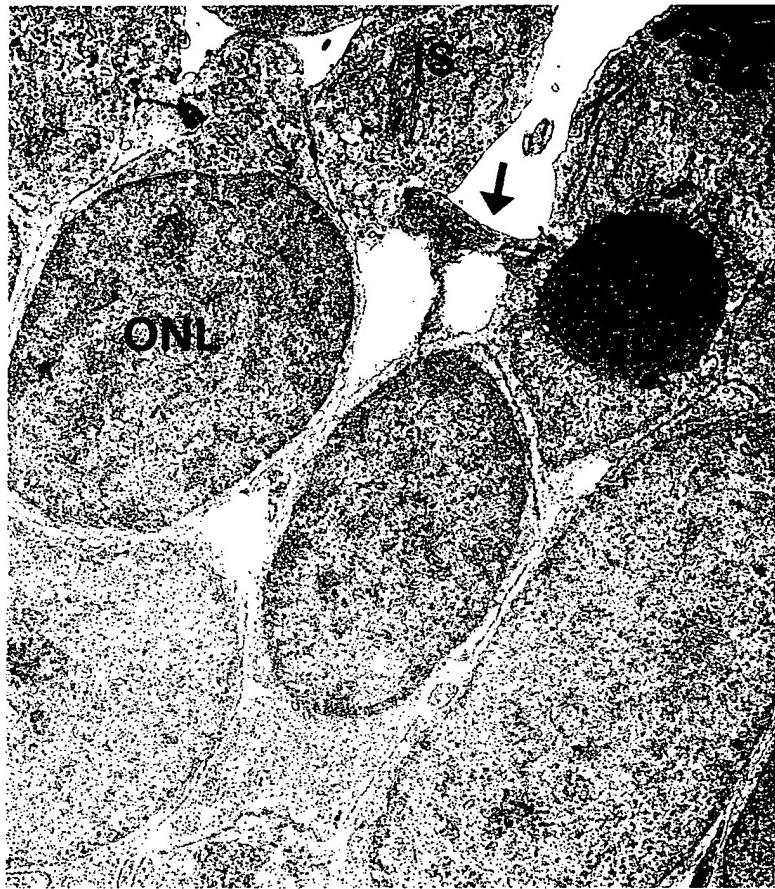


FIG. 6

FIG. 7A

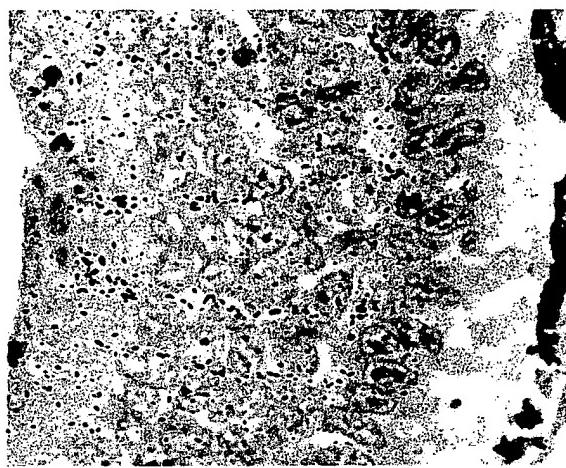


FIG. 7B

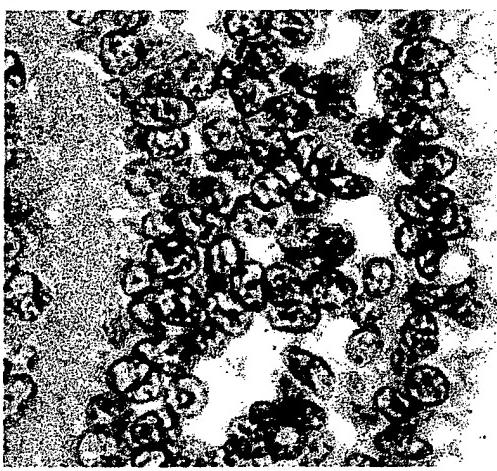
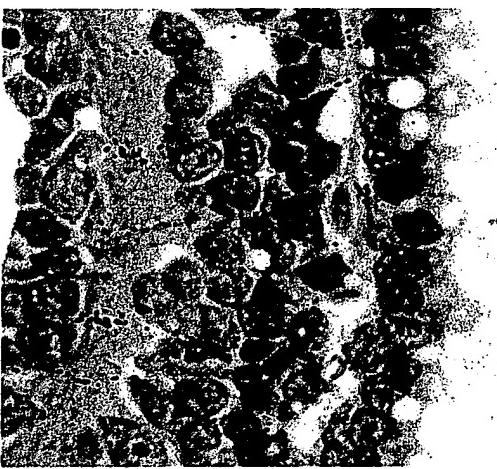


FIG. 7C



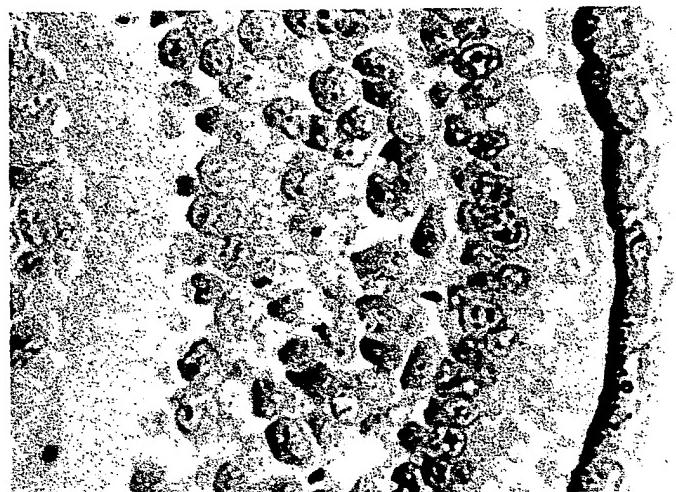


FIG. 8A

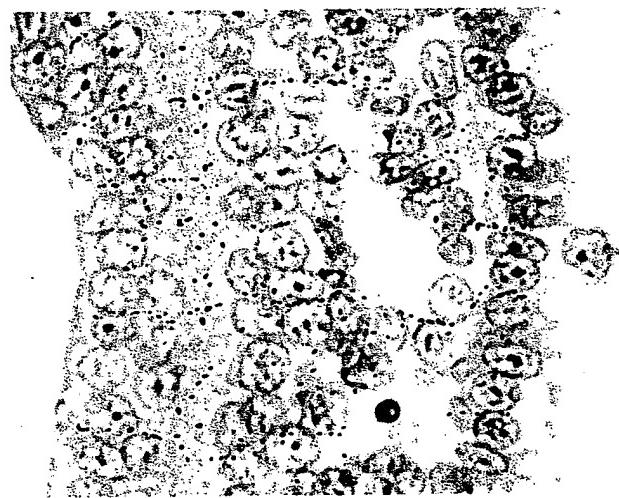


FIG. 8B

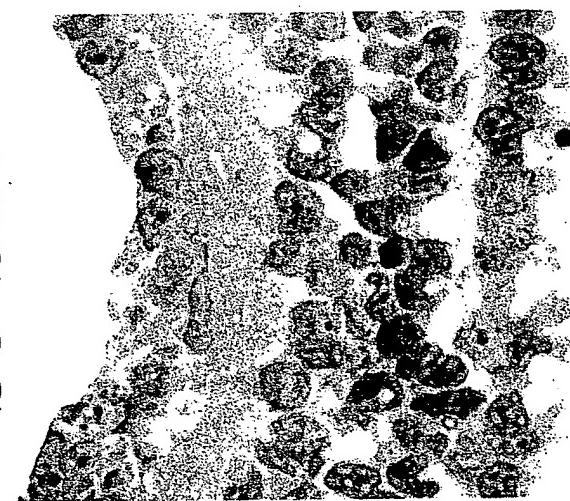


FIG. 8C

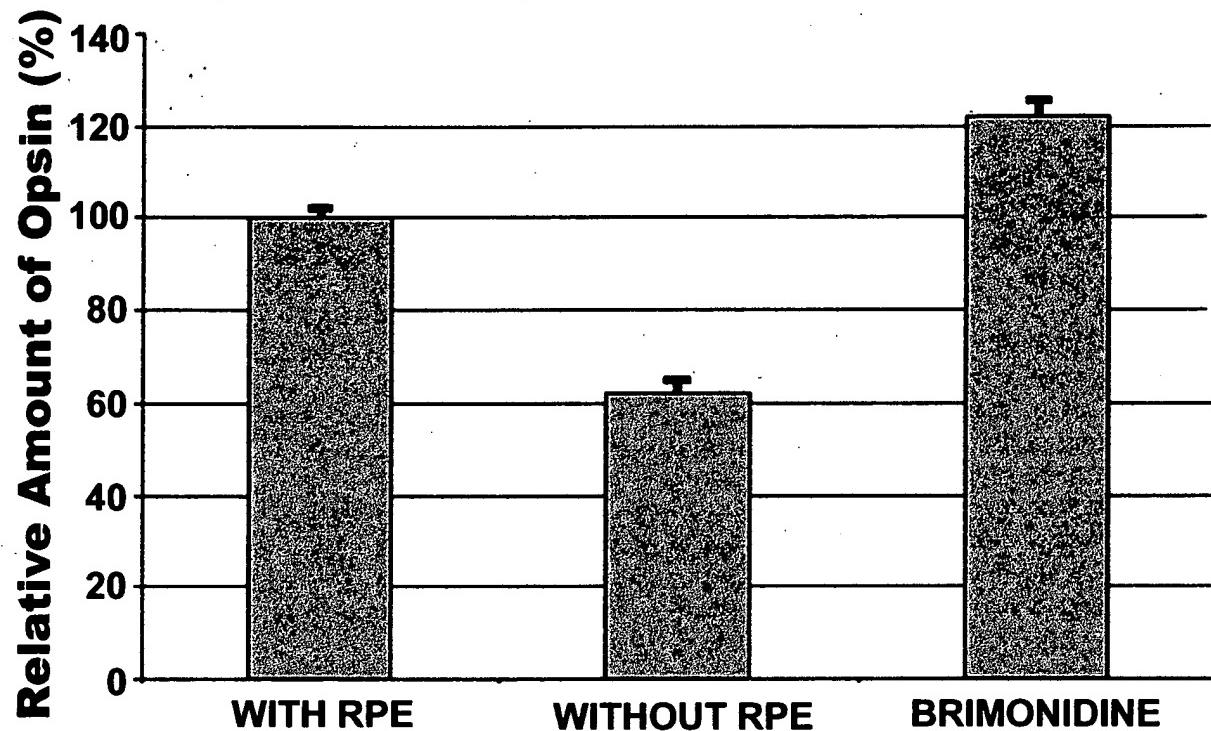


FIG. 9